

from institutions of higher education, veterans, individuals from low-income backgrounds, individuals with disabilities, and women, through activities described in subsection (c).

(b) **COLLABORATION REQUIREMENTS.**—

(1) **JOINT PROPOSAL.**—An eligible partnership desiring a grant under a program described in subsection (a) shall submit a joint proposal representing all members of the eligible partnership to the applicable Federal science agency. The joint proposal shall include a description of the proposed activities to be carried out under the grant.

(2) **COLLABORATION.**—Each eligible partnership shall collaborate across institutions of higher education, including historically Black colleges or universities, Tribal Colleges or Universities, or other minority-serving institutions, in order to develop and carry out the proposed grant activities.

(c) **USE OF FUNDS.**—

(1) **REQUIRED USES.**—Each eligible partnership supported by a grant under subsection (a) shall—

(A) enhance and expand pathways for underrepresented students at historically Black colleges or universities, Tribal Colleges or Universities, or other minority-serving institutions, to enter graduate studies and academia in STEM fields;

(B) remove barriers to entry to the professoriate for such students; and

(C) provide funding to faculty at historically Black colleges or universities, Tribal Colleges or Universities, or other minority-serving institutions to work on the research projects along with their students.

(2) **DISTRIBUTION REQUIREMENT.**—The head of each Federal science agency shall require each grantee to allocate not less than 50 percent of the total grant award received by the eligible partnership to the partner historically Black colleges or universities, Tribal Colleges or Universities, or other minority-serving institutions, in order to carry out the activities supported under the grant.

(d) **NONDUPLICATION.**—An eligible partnership desiring a grant under a program described in subsection (a) shall not submit the same proposal to multiple Federal science agencies.

SEC. 6405. REPORTING.

The head of each Federal science agency shall conduct or support studies, which shall include longitudinal studies, that follow the progress of undergraduate students participating in activities supported under this title and report—

(1) the number of such students, in the aggregate and disaggregated by categories of underrepresented students in STEM field, who pursue STEM graduate studies and professions as a result of such activities; and

(2) information regarding the benefits provided to such students as a result of the activities.

SEC. 6406. AUTHORIZATION OF APPROPRIATIONS.

(a) **IN GENERAL.**—There is authorized to be appropriated to carry out this title \$100,000,000 for fiscal year 2022 and each succeeding fiscal year.

(b) **GAO REPORT.**—Beginning in fiscal year 2022, the Comptroller General of the United States, after consultation with the Secretary of Education on any relevant issue of concern, including at a minimum on the total numbers of qualifying eligible minority serving institutions within each category discussed herein annually, shall prepare and submit to Congress a suggested distribution of funding under this title among all qualifying Federal science agencies that in the first year of the program reflects equitable share as a basis for distribution and that reflects the input of the affected Federal science agencies regarding any allocation methodology to be used in subsequent years.

SA 2060. Mr. LEAHY (for himself and Mr. TILLIS) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. —. OWNERSHIP AND ASSIGNMENT OF PATENTS.

(a) **IN GENERAL.**—Section 261 of title 35, United States Code, is amended—

(1) by striking the first undesignated paragraph and inserting the following:

“(a) **IN GENERAL.**—

“(1) **ATTRIBUTES OF PERSONAL PROPERTY.**—Subject to the provisions of this title, patents shall have the attributes of personal property.

“(2) **REGISTER OF ASSIGNMENTS AND OWNERSHIP.**—The Patent and Trademark Office shall maintain a publicly accessible register of interests in patents and applications for patents and shall record any document related thereto upon request, and may require a fee therefor.

“(3) **REQUIREMENT TO RECORD CERTAIN ASSIGNMENTS.**—

“(A) **IN GENERAL.**—Whenever all substantial rights in a patent are assigned to a person, including a legal or governmental entity or a parent corporation—

“(i) the patentee shall, not later than 90 days after the date of the assignment, submit a request described in paragraph (2) with respect to the assignment; and

“(ii) the Patent and Trademark Office shall, upon receiving the request submitted under clause (i), record the assignment in the register described in paragraph (2).

“(B) **EFFECT OF FAILURE TO COMPLY.**—During any period in which the requirements of subparagraph (A)(i) are not satisfied with respect to a patent to which this paragraph applies, no party may recover, for the infringement of that patent in any action, increased damages under section 284.

“(C) **RULES.**—The Director may prescribe rules to implement this paragraph, including rules for the proper recording of the assignments of patents.”;

(2) in the first undesignated paragraph following subsection (a), as so designated by paragraph (1) of this subsection, by striking “Applications” and inserting the following:

“(b) **APPLICATIONS.**—Applications”;

(3) in the first undesignated paragraph following subsection (b), as so designated by paragraph (2) of this subsection, by striking “A certificate” and inserting the following:

“(c) **CERTIFICATE OF ACKNOWLEDGMENT.**—A certificate”;

(4) in the first undesignated paragraph following subsection (c), as so designated by paragraph (3) of this subsection, by striking “An interest” and inserting the following:

“(d) **EFFECT OF ASSIGNMENT.**—An interest”.

(b) **APPLICABILITY.**—The amendments made by subsection (a) shall apply with respect to any assignment that occurs on or after the date of enactment of this Act.

SA 2061. Mr. KING (for himself and Mr. LANKFORD) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr.

SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title III of division B, add the following:

SEC. 2309. PRIORITIZATION AND PROTECTION OF INTERNATIONAL RESEARCH.

(a) **LIST OF ALLIED COUNTRIES.**—The Secretary of State, in consultation with the Director of the Office of Science and Technology Policy, the National Security Council, the Secretary of Energy, the Director of the National Science Foundation and the heads of other relevant agencies, shall create a list of allied countries with which joint international research and cooperation would advance United States national interests and advance scientific knowledge in key technology focus areas.

(b) **ESTABLISHMENT OF SECURITY PROCEDURES.**—The Secretary of State, in consultation with the individuals and entities listed in subsection (a), shall collaborate with similar entities in the countries appearing on the list created pursuant to subsection (a) to develop, coordinate, and agree to general security policies and procedures, consistent with the policies and procedures developed pursuant to sections 2304 and 2305, for governmental, academic, and private sector research, to prevent sensitive research from being disclosed to joint adversaries.

(c) **REPORT.**—Not later than 2 years after the date of the enactment of this Act, the Secretary of State, in consultation with the individuals and entities listed in subsection (a), and allied countries appearing on the list created pursuant to subsection (a), shall submit a report to Congress that identifies the most promising international research ventures that leverage resources and advance research in key technology focus areas.

SA 2062. Mr. SASSE (for himself and Mr. COONS) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title V of division B, add the following:

SEC. 2528. GLOBAL COVID-19 RELIEF PROGRAM.

(a) **SENSE OF THE SENATE.**—It is the sense of the Senate that—

(1) the COVID-19 pandemic is a once-in-a-generation opportunity for the United States to demonstrate global leadership;

(2) the People's Republic of China is engaged in an aggressive vaccine diplomacy game and uses COVID-19 assistance as a coercive tool to secure political and economic gains;

(3) providing other countries with COVID-19 assistance and access to vaccines should be a top priority for the Department of State

and the United States Agency for International Development for the rest of fiscal year 2021; and

(4) it is in the interests of the United States to work to preserve and protect United States private sector incentives for future vaccine development and to ensure technological innovation in order to meet the vaccine diplomacy challenges of the next pandemic.

(b) GLOBAL COVID-19 RELIEF PROGRAM.—The Secretary of State should establish a global COVID-19 relief program through which Department of State and United States Agency for International Development personnel, including contractors, can—

(1) assist host governments with—

(A) the procurement from the United States Government of COVID-19 vaccines developed in the United States;

(B) direct procurement of such vaccines from United States vaccine manufacturers; and

(C) procurement of other COVID-19-related medical advice, technical advice, and material assistance from the United States Government and United States vaccine manufacturers; and

(2) serve as liaisons for United States vaccine manufacturers to facilitate—

(A) overseas licensing agreements;

(B) direct purchase agreements; and

(C) the expansion of vaccine production capacity overseas.

(c) AMERICAN VACCINE DIPLOMACY TASK FORCE.—

(1) ESTABLISHMENT.—Not later than 60 days after the date of the enactment of this Act, the Secretary of State should establish a task force to facilitate the overseas licensing and direct purchasing agreements of vaccines developed in the United States.

(2) MEMBERSHIP.—If a task force is established pursuant to paragraph (1), the task force should be composed of—

(A) 1 or more representatives of the Department of State at the Under Secretary level, or designees;

(B) 1 or more representatives of the United States Agency for International Development at the Assistant Administrator level, or designees;

(C) 1 or more representatives of the Department of Commerce at the Under Secretary level, or designees;

(D) 1 or more representatives of private sector companies in the United States that are significantly involved in the production of COVID-19 vaccines;

(E) 1 or more representatives from civil society, including organizational leaders with expertise in the manufacturing, procurement, and distribution of COVID-19 vaccines developed in the United States; and

(F) any other representatives that the Secretary of State determines are necessary to support the work of the task force.

(3) DUTIES.—If a task force is established pursuant to paragraph (1), the task force should identify—

(A) a target set of countries for the facilitation of overseas licensing and direct purchasing agreements of COVID-19 vaccines developed in the United States;

(B) existing policy and legal hurdles to the facilitation of overseas licensing and direct purchasing agreements of such vaccines; and

(C) the necessary resources at the consulate, embassy, and bureau levels to expedite the facilitation of overseas licensing and direct purchasing agreements of such vaccines.

(4) REPORTING REQUIREMENT.—Not later than 60 days after the establishment of the task force pursuant to paragraph (1) and every 90 days thereafter until the date set forth in paragraph (5), the task force should deliver a written or verbal report to Con-

gress and to the Secretary of State that describes—

(A) the activities of the task force; and

(B) any legal, bureaucratic, or resourcing challenges preventing the expedited facilitation of overseas licensing and direct purchasing agreements of COVID-19 vaccines developed in the United States.

(5) SUNSET PROVISION.—If a task force is established pursuant to paragraph (1), the task force shall terminate on the date that is 1 year after the date of its establishment unless the Secretary of State—

(A) determines that the duration of the task force should be extended; and

(B) not later than 30 days before extending the duration of the task force, notifies Congress of the duration of, and justification for, such extension.

SA 2063. Mr. SASSE submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title V of division B, add the following:

SEC. ____ OFFICE OF SCIENCE AND TECHNOLOGY POLICY ARTIFICIAL INTELLIGENCE- AND MACHINE LEARNING-ENABLED GAME.

(a) IN GENERAL.—The Director of the Office of Science and Technology and Policy, in coordination with the Secretary of State, the Secretary of the Treasury, the Secretary of Defense, the Attorney General of the United States, the Secretary of Energy, the Secretary of Homeland Security, the Director of National Intelligence, and the heads of such other agencies as the Director of the Office of Science and Technology Policy considers appropriate, shall conduct an artificial intelligence- and machine learning-enabled game of games covering each instrument of national power.

(b) MODELING AND SIMULATION.—The game conducted under subsection (a) shall advance artificial intelligence-enabled modeling and simulation in government.

(c) PLAN REQUIRED.—

(1) IN GENERAL.—The Director of the Office of Science and Technology Policy shall submit to Congress a plan for the execution of the game conducted under subsection (a).

(2) FORM.—The plan required by paragraph (1) shall be submitted in classified form.

(d) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to the Office of Science and Technology Policy to carry out this section \$100,000,000 for fiscal year 2022.

SA 2064. Mr. SASSE submitted an amendment intended to be proposed by him to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which

was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. ____ POST-EMPLOYMENT LIMITATIONS ON PRESIDENTIAL APPOINTEES WITH RESPECT TO THE GOVERNMENT OF THE PEOPLE'S REPUBLIC OF CHINA, THE CHINESE COMMUNIST PARTY, AND CHINESE MILITARY COMPANIES.

Section 207 of title 18, United States Code, is amended by adding at the end the following:

“(m) RESTRICTIONS ON PRESIDENTIAL APPOINTEES WITH RESPECT TO THE GOVERNMENT OF THE PEOPLE'S REPUBLIC OF CHINA, THE CHINESE COMMUNIST PARTY, AND CHINESE MILITARY COMPANIES.—

“(1) IN GENERAL.—In addition to the other restrictions set forth in this section, any person who serves in a position pursuant to an appointment made by the President and who knowingly, at any time after the termination of his or her service in the position—

“(A) represents an entity described in paragraph (2) before any officer or employee of any department or agency of the United States with the intent to influence a decision of such officer or employee in carrying out his or her official duties; or

“(B) aids or advises an entity described in paragraph (2) with the intent to influence a decision of any officer or employee of any department or agency of the United States, in carrying out his or her official duties, shall be punished as provided in section 216 of this title.

“(2) ENTITIES.—An entity described in this paragraph is any of the following:

“(A) The Government of the People's Republic of China.

“(B) The Chinese Communist Party.

“(C) Any entity identified under section 1237(b) of the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999 (Public Law 105-261; 50 U.S.C. 1701 note).

“(D) Any entity identified under section 1260H of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283).”.

SA 2065. Mr. TUBERVILLE submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

Beginning on page 500, strike lines 7 through 10 and insert the following:

(A) encourage reusability and sustainability of systems developed;

(B) offer existing capabilities and assets of NASA centers to support such partnerships; and

(C) prioritize the mission, schedule, safety, and integrity of the program by building in the redundancy of a second human landing system.

SA 2066. Mr. HAGERTY submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science